

Hydromagnetic Stability of Rotating Plasma,
by L. S. Solov'ev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Section,
Vol CLIII, No 5, 1963, pp 1048-1051.

Amer Inst of Phys
Sov Phys - Doklady
Vol VIII, No 12

Sci
Jul 64

On Polarization and Spin Effects in the Theory
of Synchrotron Radiation, by A. A. ~~xx~~Sokolov,
I. M. Ternov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Section,
Vol CLIII, No 5, 1963, pp 1052-1054.

Amer Inst of Phys
Sov Phys - Doklady
Vol VIII, No 12

Sci
Jul 64

Interpretation of the Spectral Composition
of Light Scattered by Fluctuations of Anisotropy
in Liquids, by V. S. Starunov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Section,
Vol CLIII, No 5, 1963, pp 1055-1057.

Amer Inst of Phys
Sov Phys - Doklady
Vol VIII, No 12

Sci
Jul 64

Hypothesis of the Trajectory of a Quantum Particle, by S. M. Feinberg, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Section,
Vol CLIII, No 5, 1963, pp 1058-1061.

Amer Inst of Phys
Sov Phys - Doklady
Vol VIII, No 12

Sci
Jul 64

Determination of the Optical Anisotropy of
Macromolecules, by E. V. Frisman, A. K. Dadivanyan,
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Section,
Vol CLIII, No 5, 1963, pp 1062-1064.

Amer Inst of Phys
Sov Phys - Doklady
Vol VIII, No 12

Sci
Jul 64

Conditions Under Which Pitting Occurs During
Friction, by B. P. Mitrofanov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Section,
Vol CLIII, No 5, 1963, pp 1065-.

Amer Inst of Phys
Sov Phys - Doklady
Vol VIII, No 12

Sci
Jul 64

The Use of Statistical Methods in Studying the Finite-
Difference Approximation of the Diffusion Equation, by M. I.
Krasovskiy, *Math. USSR, Izv.*, Vol. CLIII, No 5, 1963,
pp 1687-1690.
JLL 7022-51 M64 (3) on loan

JPRS 23267

Sci-Earth Sci
Feb 64

250,266

N-Vinylthiopyrrolidone, by M. Shostakovskii.
RUSSIAN, per, Akademiya Nauk SSSR. Doklady,
Vol 153, No 5, 1963, pp 1089-1092.
NTC-71-11696-07C

Feb 72

Photosensitized Reduction of Thiazine Dyes on Sols and
in Solutions, by Kh. L. Arvan, A. N. Terenin, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 5, 1963, pp 1093-1096.

K CB

May 65

Admission of Russia on International
Surveys of Africa Vol. by G. Kizimov,
I. Kizimov, I. Kizimov, Jr.
Moscow, 1951, 1952, 1953, 1954, 1955, 1956, 1957-1960.
1951-1960

336, 170

201
Aug 67

Oxygen Quenching of Excited States in Chemiluminescing
Solutions, by R. F. Vasil'yev, I. F. Rusina, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 5, 1963, pp 1101-1104.

CB

May 65

Separation of Hydrogen Isotopes on Type a Synthetic Zeolites Containing Cobalt Ions, by Z. V. Gryaznova, G. M. Panchenkov, et al., 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry Section, Vol CLIII, No 5, 1963, pp 1105-1107.

CB

May 65

Thermal Excitation Rate Constants of Sodium in
Sodium Vapor Mixed with Argon and Nitrogen, by V. N.
Kondrat'yev, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 5, 1963, pp 1108-1110.

K CB

May 65

Approximate Calculation of the Smoothing Effect
During Electrochemical Deposition of a Metal, by S. I.
Krichmar, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 5, 1963, pp 1111-1114.

CB

May 65

Maximum Concentration of Vacancies and the Saturated Vapor Pressure of Simple Substances at the Melting Point, by H. F. Ormont, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry Section, Vol CLIII, No 5, 1963, pp 1115-1118.

CB

May 65

On the Texture of Electrodeposited Tin,
by N. Pangarev, V. Mikhailova.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLIII,
No 5, 1964, pp 1119-1121.
RISI 3806

cb

Sci-M/M
Apr 65

278,716

The Concentration Dependence of the Sedimentation
Constant in "Ideal" Solvents, by I. Ya. Poddubnyy,
V. A. Grechanovskiy, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 5, 1963, pp 1122-1124.

CB

May 65

The Influence of Organic Acids on the Boundary
Friction and Adhesion of Solids in Hydrocarbon
Liquids, by G. I. Fuks, G. S. Bratova, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 5, 1963, pp 1125-1128.

CB

May 65

AT-92177K

The Theory of the Passage of Direct Current Through
a Solution of a Binary Electrolyte, by A. A.

Chernenko, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 5, 1963, pp 1129-1131.

CB

May 65

Temperature Dependence of the Deactivation of the
Metastable State of Chlorophyll, by A. K. Chibisov,
A. V. Karyakin, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 5, 1963, pp 1132-1135.

CB

May 65

Electron Microscopic and Cytochemical Study of
Golgi Apparatus in Yeast Cells, by V. I.
Biryuzova, T. M. Volkova, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 5, 1963, pp 1180-1182.

CB

May 65

Study of the Karyotypes of Certain Species of Black
Flies (Family Simuliidae), by L. A. Chubareva,
E. S. Shcherbakov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 5, 1963, pp 1183-1185.

CB

May 65

The Neurosecretory Cell System in the Lepidopteran
Brain (Lepidoptera, Insecta), by A. A. Panov, T. V.
Kind, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 5, 1963, pp 1186-1189.

CB

May 65

280,275

Afferent Innervation of the Esophagus of the
Turtle (Testudo horsfieldii), by S. S. Reshetnikov,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 5, 1963, pp 1190-1192.

CB

May 65

S-280/64

The Mutagenic and Antimutagenic Action of
Sodium Gallate, by V. A. Baraboy, G. S. Yukova,
(NY-9093)

RUSSIAN, per, Doklady Akademii Nauk, SSSR,
Vol CLIII, No 5, 1963, pp 1193-1194.

*JPRS

C B

Sci- Medical
Mar 64

Effect of Cultivation Conditions on the Ratio of
Components of the Antibiotic Flavored by
Actinomyces violaceus Strain No. 719, by V. N.
Shaposhnikov, M. N. Bekhtereva, et al., 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 5, 1963, pp 1195-.

CR

May 65

Postirradiation Regeneration of Yeast Cells Irradiated
Under Aerobic and Anaerobic Conditions, by
V. S. Krasovskiy, G. V. Malinovsky, et al, 3 pp.
RADIATION EFFECTS IN POLYMER, Vol CLIII, No 3,
1981, pp 1109-1101.
JPRS 22915

CB

Sci - Med
Apr 64

255, 790

Two Fusion Thresholds of Light Stimuli in the Visual
Analyzer of Man, by M. I. Vasiliankas, A. M. Gutman,
5 pp.
RUSSIAN, Tr. Ak. Nauk SSSR, No 5, Vol CLIII, No 5,
1958, pp. 1202-1203.
JPRS 22946

CB

Sci - Med
Apr 64

253, 789

The Effect of Radiation Inactivation of Nuclei on the
Synthesis of Intracellular Ribonucleic Acid in
Embryos of the Fish *Leuciscus Feuillei*, by N. V. Belina,
USSR Academy of Sciences.
RUSSIAN JOURNAL OF BIOLOGICAL CHEMISTRY, No 5, Vol CLIII,
1961, pp. 111-115.
UFRS 12541

Sci - Med
Apr 64

CB
253, 791

Fructokinase of Fat Tissue of the Ovarian Adnexa of
Rats, by K. G. Gromova, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 5, 1963, pp 1207-1209.

CB

May 65

The Role of Zinc in Augmenting Heat Tolerance of
Plants, by N. S. Petinov, Yu. G. Molotkovskiy, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 5, 1963, pp 1210-1212.

CB

May 65

Interaction Mechanisms of Specific and Non-Specific
Brain Structures, by K. A. Darinyan, A. G. Rabin,
S. D.
RUSSIAN, part, Iz Ak Nauk SSSR, Vol CLIII, No 5,
1963, pp 1213-1215.
JPRS 19947

Sci - Med
Apr 64

CB
253, 786

The Histochemistry of Glycogen in the Brain of
Hibernating Animals, by M. E. Shtark, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 5, 1963, pp 1216-1219.

CB

May 65

Prolonged Changes in Cortical Potential during
Stimulation of the Reticular Formation of the
Mesencephalon, by Zh. P. Shuranova, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 5, 1963, pp 1220-1222.

CB

May 65

Elucidation of the Developmental Cycle of the
Nematode Stephanofilaria stilesi Chitwood, 1934-
A Skin Parasite of Ruminants, by V. N. Ivashkin,
L. A. Khromova, et al., 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 5, 1963, pp 1223-1224.

CB

May 65

The Generalized Cauchy Formula for a First-Order
Elliptic System, by M. S. Volosina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Mathematics Section,
Vol CLIII, No 6, 1963, pp 1231-1233.

Amer Math Soc
Sov Math Dok
Vol IV, No 6

Sci
Apr 64

Analytic Solutions for a Class of Operator
Equations, by A. E. Gel'man, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Mathematics Section,
Vol CLIII, No 6, 1963, pp 1234-1237.

Amer Math Soc
Sov Math - Dok
Vol IV, No 6

Sci
Apr 64

The Lattice of Polynuclear Operations, by
O. N. Golovin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Mathematics Section,
Vol CLIII, No 6, 1963, pp 1238-1241.

Amer Math Soc
Sov Math - Dok
Vol IV, No 6

Sci
Apr 64

Likelihood Ratio for Hypotheses on the Trend of
Certain Gaussian Processes, by Ju. I. Golosov,
A. A. Tempel'man, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Mathematics Section,
Vol CLIII, No 6, 1963, pp 1242-1244.

Amer Math Soc
Sov Math - Dok
Vol IV, No 6

Sci
Apr 64

Conditions for the Uniqueness of a Continuous
Solution of the Problem of the Decay of the
Discontinuity for a Set of Three Equations, by
V. F. Djacenko, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Mathematics Section,
Vol CLIII, No 6, 1963, pp 1245-1248.

Amer Math Soc
Sov Math - Dok
Vol IV, No 6

Sci
Apr 64

A General Boundary Value Problem for Parabolic
Equations on a Plane, by E. K. Isakova, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Mathematics Section,
Vol CLIII, No 6, 1963, pp 1249-1252.

Amer Math Soc
Sov Math - Do
Vol XIV, ★ No 6

Sci
Apr 64

Representations of the (p, P) Group Over a Field
of Characteristic p , by S. A. Krugljak, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Mathematics
Section, Vol CLIII, No 6, 1963, pp 1253-1256.

Amer Math Soc
Sov Math - Dok
Vol IV, No 6

Sci
Apr 64

Linear Differential Equations of Second Order,
by A. Ju. Levin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Mathematics
Section, Vol CLIII, No 6, 1963, pp 1257-1260.

Amer Math Soc
Sov Math - Dok
Vol IV, No 6

Sci
Apr 64

On the Foundations of the Ergodic Hypothesis for a
Dynamical System of Statistical Mechanics, by
Ja. G. Sinai, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Mathematics Section,
Vol CLIII, No 6, 1963, pp 1261-1264.

Amer Math Soc
Sov Math - Dok
Vol IV, No 6

Sci
Apr 64

Calculation of the Mathematical Expectation of a
Quasiadditive Path Function on a Graph, by
Ju. I. Smirnov, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Mathematics Section,
Vol CLIII, No 6, 1963, pp 1265-1268.

Amer Math Soc
Sov Math - Dok
Vol IV, No 6

Sci
Apr 64

Uniqueness Classes of the Solution of the Cauchy
Problem for Parabolic Equations, by G. N. Smirnova,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Mathematics Section,
Vol CLIII, No 6, 1963, pp 1269-1272.

Amer Math Soc
Sov Math - Dok
Vol IV, No 6

Sci
Apr 64

The Fourier Coefficients of Poincare Series
of Dimension-2, by O. M. Fomenko, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Mathematics Section,
Vol CLIII, No 6, 1963, pp 1273-1275.

Amer Math Soc
Sov Math - Dok
Vol IV, No 6

Sci
Apr 64

On an Integral Representation of a Vector
Holomorphic in a Ball, by V. I. Sevchenko, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Mathematics Section,
Vol CLIII, No 6, 1963, pp 1276-1279.

Amer Math soc
Sov Math - Dok
Vol IV, No 6

Sci
Apr 64

Choice of Synthesis Criteria for Variable-
Structure Combined Servomechanisms, by
B. N. Petrov, S. V. Emel'yanov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Section,
Vol CLIII, No 3, 1963, pp 1280-1287.

Amer Inst of Phys
Sov Phys - Doklady
Vol VIII, No 12

Sci
Jul 64

Nonlinear Theory of the Generation of Turbulence,
by E. M. Khazen, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Section,
Vol CLIII, No 6, 1963, pp 1234- .

Amer Inst of Phys
Sov Phys - Doklady
Vol VIII, No 12

Sci
Jul 64

FTD-TT-64-0989-00000004

Ship Waves in a Viscous Liquid, by L. V. Cherkesov,
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Section,
Vol CLIII, No 6, 1963, pp 1288-1290.

Amer Inst of Phys
Sov Phys - Doklady
Vol VIII, No 12

Sci
Jul 64

Transferability of the Potential-Energy
Coefficients for Polyatomic Molecules, by
D. S. Bystrov, 3 pp.

RUSSIAN, per, Dok Ak nauk SSSR, Phys Section,
Vol CLIII, No 6, 1963, pp 1291-1294.

Amxer Inst of Phys
Sov Phys - Doklady
Vol VIII, No 12

Sci
Jul 64

Acoustic Ion Oscillations Excited by an
Electron Current, by V. I. Petviashvili, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Section,
Vol CLIII, No 6, 1963, pp 1295-1298.

Amer Inst of Phys
Sov Phys - Doklady
Vol VIII, No 12

Sci
Aug 64

Second Series of Ground State With Weightless Liquids,
by V. V. Smil'sky, 7 pp.
RUSSIAN, per. Dok. Akad. Nauk SSSR, Vol. CLIII, No 6, 1963,
pp 1299-1302.

Sci-M/M
Feb 64

JPRS 23259

FTD-TT-64-613(9695893)

250,440

S-117/64

Hydrodynamic Forecasting of Pressure Fields in the
Mid-level of the Atmosphere for the Entire Sphere of
the Earth Taking Orography Into Consideration, by
A. P. Boyko. (NY-7020)

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLIII, No 6,
1963, pp 1303-1306.

*JPRS

Sci - Earth Sci & Astron
Jan 64

Dynamic Characteristics of a Sub-Polar Front in the North Atlantic, by V. M. Gubanov, E. A. Chokodillo, 5 pp.
RUSSIAN, per: DOKL. AKADEM. NAUK, No 6, Vol #LIII, 21 Dec 1963, pp 1307-1309.
CL11

JPRS 23109

Sci-Ear Del
Feb 64

248, 162

Phase-Transitions in Zinc and Manganese
Fluorides at High Pressures and Temperatures,
by S. S. Kabalkina, S. V. Popova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Section,
Vol CLIII, No 6, 1963, pp 1310-1312.

Amer Inst of Phys
Sov Phys - Doklady
Vol VIII, No 12

Sci
Jul 64

Structure of Blood Group Substances Hydroxylamin-
olysis of Blood Group Substances and General
Structure of the Polysaccharide, by N. K. Kochetkov,
S. G. Kharasch et al., 7 pp.
RUSSIAN, Izv. Akad. Nauk SSSR, Vol CLIII,
No 6, 1963, pp 1338-1341.
UFRS 24141

Sci - Med
Apr 64

254, 375

Molecular Product Yields From the Radiolysis of
Water as a Function of Radical Scavenger Con-
centration, by V. M. Byakov, 6 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 6, 1963, pp 1356-1359.

CB

May 65

280,272

The Behavior of Zeolite Water and the Symmetry of
Harmotome, by S. P. Gabuda, G. M. Mikhaylova, et al.,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 6, 1963, pp 1360-1362.

CB

May 65

Spectra of Electron-Donor-Acceptor Complexes of
4-Nitrodiphenylalkanes Containing a Donor Group
in the Other Nucleus. EPR Effect, by V. A.
Glushenkov, V. A. Izmail'skiy, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 6, 1963, pp 1363-1366.

CB

May 65

The Conjugation Effect in the Infrared Spectra of
Nitro Compounds, by A. V. Iogansen, G. D.
Litovchenko, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 6, 1963, pp 1367-1369.

CB

May 65

Role of TiO_2 in the Formation of the Crystal
Structure of Glass, by Yu. N. Kondrat'yev, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 6, 1963, pp 1370-1373.

CB

May 65

Faraday Heterodyning, by V. G. Levich, B. I.
Khaykin, et al., 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 6, 1963, pp 1374-1377.

CB

May 65

Influence of Semiconductor Additives on the
Radiation Polymerization of Acrylonitrile and
Methylmethacrylate, by L. P. Mezhirova, A. P.
Sneyker, et al., 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 6, 1963, pp 1378-1380.

CB

May 65

Photoconductor Properties of Metal Acetylides,
by V. S. Myl'nikov, A. N. Terenin, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 6, 1963, pp 1381-1384.

CB

May 65

The Kinetics of the Processes of Coagulation
Structure-Formation in Aqueous Clay Dispersions, by
F. D. Ovcharenko, V. Yu. Tretinnik, et al., 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 6, 1963, pp 1385-1386.

CB

May 65

The Reaction of Tributyl Phosphate (TBP) and TBP-Solvate with Diluents, by A. M. Rozen, L. P. Khorkhorina, et al., 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry Section, Vol CLIII, No 6, 1963, pp 1387-1390.

CB

May 65

Electronic Vibrational Quasiline Spectra of Porphin
and Dihydroporphin, by A. N. Sevchenko, R. N.
Solov'yev, et al., 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 6, 1963, pp 1591-1594.

CB

May 65

280,273

Catalytic Activity of Zeolites NaX, CaA and HX in
Cracking and Dehydration Reactions, by G. V.
Tsitsishvili, Sh. I. Sidamonidze, et al., 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLIII, No 6, 1963, pp 1395-1397.

CB

May 65

S-117/64

Some Results of Geophysical Studies of the Earth's
Crustal Structure in the Antarctic North of Station
Novolazarevskaya, by V. A. Gladun. (NY-4080)

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLIII, No 4, 1963,
pp 1328-1330.

*JPRS

Sci - Earth Sci & Astron
Jan 64

Cytophotometric Determination of DNA Content in
Nuclei of Trophoblast Giant Cells, by E. V. Zybina,
4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 6, 1963, pp 1428-1431.

CB

May 65

Formation of Isochlortetracycline and Isotetracycline in the Biosynthetic Process, by T. N. Laznikova, V. G. Makarevich, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section, Vol CLIII, No 6, 1963, pp 1432-1434.

CB

May 65

Brain Acetylcholinesterase in Vertebrate Phylogenesis,
by N. L. Leibson, 4 pp
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 6, 1963, pp 1435-1438.

CB

May 65

Effect of Products of Oxidation of Phloroglucinol
on Dehydrogenases of Botrytis cinerea, by B. A.
Rubin, T. M. Ivanova, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 6, 1963, pp 1439-1442.

CB

May 65

Heterogeneity of the Ribosome Fraction of
Chloroplasts, by I. I. Filippovich, E. N.
Svetaylo, et al., 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 6, 1963, pp 1443-1446.

CB

May 65

Effect of Trace Elements on the Content of ATP in
Plants Exposed to a Water Shortage and High
Temperatures, by V. P. Bozhenko', M. Ya. Shkol'nik,
et al., 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 6, 1963, pp 1447-1449.

CB

May 65

S-260/64

Stimulation of Regeneration of Heart Muscles of
Rabbits and Dogs, by L. V. Polozhayev,
L. V. Akhsbadze. (SF-3075)

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLIII, No 6,
1963, pp 1450-1453.

*JPRS

06

Sci - Biol & Med Sci
Mar 64

Investigation of the Neuronal Activity of the
Hypothalamic Food Center upon Stimulation of the
Gastric Mechanoreceptors and Intravenous Injection
of Insulin or Glucose, by V. A. Zabolotnykh, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 6, 1963, pp 1454-1457.

CR

May 65

Ascorbic Acid and Catecholamines in Experimental
Deep Hypothermia, by E. P. Stepanyan, M. A.
Chernyavskaya, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biology Section,
Vol CLIII, No 6, 1963, pp 1458-1460.

CB

May 65

Acrosome Reaction in Sturgeons and the Role of
Calcium Ions in the Union of Gametes, by T. A.
Detlaf, A. S. Ginzburg, 4 pp.
RUSSIAN, per, Dok AK Nauk SSSR, Biology Section,
Vol CLIII, No 6, 1963, pp 1461-1464.

CB

May 65

DOKLADY AN SSSR, BIOLOGIYA
(Doklady Biological Sciences - bimonthly)
Proceedings of the Academy of Sciences of
the USSR, all Biological Sciences Sections,
except "Khimiya", "Biofizika" and plant
science sections.

Translation begins with 1964, Vol. 154
Lat time ca. 5 months

Order from: Plenum Publishing Corporation
227 West 17th Street
New York, N.Y. 10011

1971: \$ 125.00/year
\$ 50.00 single issues
\$ 15.00 single article reprints
add \$ 5.00 on overseas subscription
single articles for 1962-63 not available

COMPTON AN S.I.R. BOTANICA
(Doklady Botanical Sciences - 3 issues/yr)
Translation begins with 1961, Vol. 154
Lag time: ca. 6 months
Order from: Science Publishing Corporation
100 West 17th Street
New York, N.Y. 10011
1971: \$ 40.00/year
\$ 30.00 single issues
\$ 15.00 single article reprints
add \$ 5.00 on overseas subscription

Russ

Estimate: From Below by the Sieve Process in
Algebraic Number Fields, by A. I. Vinogradov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol CLIV,
No 1, 1964, pp 13-15.

Amer Math Soc S
Sov Math - Doklady
Vol V, No 1

Sci
Jun 64

An Analog of the Cauchy-Riemann System in Four-Dimensional Space, by V. S. Vinogradov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol CLIV, No 1, 1964, pp 16-19.

Amer Math Soc
Sov Math - Dok
Vol V, No 1

Sci
Jun 64

Tensor Fields on Compact Homogeneous Spaces
Admitting a Spherical Model, by N. I. Glazunov, **
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol CLIV,
No 1, 1964, pp 20-22.

Amer Math Soc
Sov Math - Dok
Vol V, No 1

Sci
Jun 64

• Complete Spaces Metrized Over a Hahn-Field, by
I. M. Dektjarev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol CLIV,
No 1, 1964, pp 23-25.

Amer Math Soc
Sov Math - Dok
Vol V, No 1

Sci
Jun 64

A Scheme for the Numerical Method of Characteristics
by O. N. Kachova, P. I. Cuskin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol CLIV,
No 1, 1964, pp 26-29.

Amer Math Soc
Sov Math - Dok
Vol V, No 1

Sci
Jun 64

The Concept of a Minimum Scale of Spaces,
by S. G. Krein, Ju. I. Petunin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol CLIV,
No 1, 1964, pp 30-33.

Amer Math Soc
Sov Math - Dok
Vol V, No 1

Sci
Jun 64

Sums Over Characters of Powers of the Absolute Value
of Dirichlet L-functions in the Critical Strip,
by A. F. Lavrik, 4 pp.

RUSSIAN, per, Dok Ak nauk SSSR, Sov Math, Vol CLIV,
No 1, 1964, pp 34-37.

Amer Math Soc
Sov Math = Dok
Vol V, No 1

Sci
Jun 64

Singularities of Taylor-Dirichlet Series,
by G. L. Lunc, 3 pp.

RUSSIAN, per, Dok ak Nauk SSSR, Sov Math, Vol CLIV,
No 1, 1964, pp 38-40,

Amer Math Soc
Sov Math - Dok
Vol V, No 1

Sci
Jun 64

Conditions for the solvability of the Abstract
Cauchy Problem, by Ju. I. Ljubic, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol CLIV,
No 1, 1964, pp 41-44.

Amer Math Soc
Sov Math - Dok
Vol V, No 1

Sci
Jun 64

An Inequality for the Moduli of Smoothness of a
Periodic Function with bounded Derivative, by
V. P. Motornyi, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLIV, No 1, 1964, pp 45-47.

Amer Math Soc
Sov Math - Dok
Vol V, No 1

Sci
Jin 64

A Class of Nonlinear Singular Equations with a
Hilbert Kernel, by H. S. Muhtarov, : 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol CLIV,
No 1, 1964, pp 48-50.

Amer Math Soc
Sov Math - Dok
Vol V, No 1

Sci
Jun 64

The Cardinality of the Base of an H-Closed Space,
by V. V. Proizvolov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol CLIV,
No 1, 1964, pp 55-56.

Amer Math Soc
Sov Math - Dok
Vol V, No 1

Sci
Jun 64

The Homotopic Topology of Banach Spaces,
by A. S. Svarc, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLIV, No 1, 1964, pp 61-63.

Amer Math Soc
Sov Math - Doklady
Vol V, No 1

Sci
Jun 64

Regularly Converging Bright Line Luminescence
in Gallium Phosphide Crystals,
by E. F. Gross, D. S. Nedzvetskiy, 4 pp.

RUSSIAN, per, Dok AK Nauk SSSR, Phys Secstion,
Vol CLIV, No 1, 1964, pp 64-67.

Amer Inst of Phys
Sov Phys - Doklady
Vol IX, No 1

Sci-
Aug 64

The Accuracy in Calculating the Moment of
Inertia of Nuclei by Means of Forced Rotations,
by I. N. Mikhailov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Section,
Vol CLIV, No 1, 1964, pp 68-71.

Amer Inst of Phys
Sov Phys - Doklady
Vol IX, No 1

Sci-
Aug 64

The Energies of Octupole Collective States with
I K=1-0 Even-Even Strongly Deformed Nuclei,
by V. G. Solov'yev, P. Fogel', 4 pp.

RUSSIAN, per, Dokl. Akad. Nauk SSSR, Phys Section;
Vol. CLIV, No 1, 1964, pp 72-75.

Amer Inst of Phys
Sov Phys - Doklady
Vol IX, No 1

Sci-
Aug 64